

ROBERT E. BUSHNELL\*†

HENRY M. ZYKORIE  
JOSEPH G. SEEBER°  
JOHN C. BROSKY°+\*  
DARREN R. CREW+\*  
MATTHEW J. LESTINA†\*

MICHAEL D. PARKER  
DANIEL A. GESELOWITZ, Ph.D.  
(REG. PATENT AGENTS)

† ADMITTED IN MARYLAND  
° ADMITTED IN VIRGINIA  
+ ADMITTED IN PENNSYLVANIA  
‡ ADMITTED IN NEW YORK  
• NOT ADMITTED IN D.C.

**R. E. BUSHNELL**

**ATTORNEY AT LAW**

1522 K STREET, N.W., SUITE 300  
WASHINGTON, D.C. 20005-1202  
UNITED STATES OF AMERICA

INTELLECTUAL PROPERTY LAW

TELEPHONE (202) 638-5740  
(202) 408-9040  
FACSIMILE (202) 628-0755  
FACSIMILE (202) 289-7100  
FACSIMILE (202) 628-3835  
(410) 747-0022

E-MAIL: BUSHNELL@CWIXMAIL.COM  
E-MAIL: REBUSHNELL@AOL.COM

September 1, 1999

- ☐ U.S. Postal Service  
☐ Via Local Courier  
☐ Via International Courier  
☐ Via Facsimile No. \_\_\_\_\_  
☐ Via E-Mail Attachment  
☐ Please Acknowledge Receipt

Attorney Docket: P55824

The Assistant Commissioner of Patents  
Washington, D.C. 20231

Sir:

Submitted herewith is the following patent application:

**Inventor: Won-Woo CHOI**

**Title: TRAY DRIVING APPARATUS FOR A MICROWAVE OVEN AND A  
MICROWAVE OVEN HAVING THE SAME**

Please find attached hereto an application for patent which includes: Specification and  
Abstract, Claims, and a certified copy of the foreign priority document identified below:

Verified Showing of Small Entity Status: NO

Drawings: Formal drawings, 3 sheets, Figures 1 through 5

Claim of priority under 35 U.S.C. §119: YES

REPUBLIC OF KOREA Application No. 99-22930 filed in Korea on 18 June 1999.

Fee (see formula below): **CHECK IS ENCLOSED**

Basic Fee \$380/760 .....	<u>\$760.00</u>
Additional Fees:	
Total number of claims in excess of 20 _ times \$9/18.	<u>\$0.00</u>
Number of independent claims	
in excess of 3: _ times \$39/78 .....	<u>\$0.00</u>
Multiple Dependent Claims \$130/260 .....	<u>\$0.00</u>
An Assignment is likewise enclosed: Recording Fee \$40 ..	<u>\$0.00</u>
Filing Non-English specification .....	<u>\$ 0.00</u>
<b>TOTAL FEES FOR THE ABOVE APPLICATION .....</b>	<b><u>\$760.00</u></b>

Assistant Commissioner of Patents  
September 1, 1999  
Page Two

Docket No.: P55824

**Inventor: Won-Woo CHOI**

**Title: TRAY DRIVING APPARATUS FOR A MICROWAVE OVEN AND A  
MICROWAVE OVEN HAVING THE SAME**

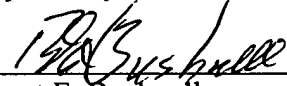
Should the enclosed check become lost or detached from the file, the Commissioner is authorized to charge for any additional charges incurred, or credit any excess payment to the Deposit Account No. 02-4943. Kindly notify the undersigned attorney of any transaction regarding our Deposit Account.

In view of the above, it is requested that this application be accorded a filing date pursuant to 37 CFR 1.53(b).

Please address all correspondence to:

Robert E. Bushnell  
1522 K Street, N.W.  
Suite 300  
Washington, D.C. 20005

Respectfully submitted,

  
\_\_\_\_\_  
Robert E. Bushnell  
(Registration No. 27,774)

1522 K Street, N.W.  
Suite 300  
Washington, D.C. 20005  
Telephone: (202) 638-5740  
Telefacsimile: (202) 628-0755

Filio: P55824  
Date: September 1, 1999  
REB/xl

**FEE TRANSMITTAL**

Patent fees are subject to annual revision on October 1.

These are the fees effective October 1, 1997.

Small Entity payments must be supported by a small entity statement, otherwise large entity fees must be paid. See Forms PTO/SB/09-12.

See 37 C.F.R. §§1.27 and 1.28.

Complete If Known																																																																																																																																																																																													
Application Number	To be Assigned																																																																																																																																																																																												
Filing Date	1 September 1999																																																																																																																																																																																												
First Named Inventor	Won-Woo CHOI																																																																																																																																																																																												
Examiner Name	To be Assigned																																																																																																																																																																																												
Group/Art Unit	To be Assigned																																																																																																																																																																																												
Attorney Docket No.	P55824																																																																																																																																																																																												
<b>TOTAL AMOUNT OF PAYMENT</b> <b>(\$)</b> <u>760.00</u>																																																																																																																																																																																													
<b>METHOD OF PAYMENT (check one)</b>																																																																																																																																																																																													
<b>1.</b> <input type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:																																																																																																																																																																																													
Deposit Account Number: <u>02-4943</u> Deposit Account Number: _____																																																																																																																																																																																													
<input type="checkbox"/> Charge Any Additional Fee Required Under 37 C.F.R. §1.16 and 1.17. <input type="checkbox"/> Charge the Issue Fee Set in 37 C.F.R. §1.18 at the Mailing of the Notice of Allowance.																																																																																																																																																																																													
<b>2. Payment Enclosed:</b> <input checked="" type="checkbox"/> Check <input type="checkbox"/> Money Order <input type="checkbox"/> Other (CHECK No. 33616)																																																																																																																																																																																													
<b>FEE CALCULATION</b>																																																																																																																																																																																													
<b>1. BASIC FILING FEE</b>																																																																																																																																																																																													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr> <td>101</td> <td>760</td> <td>201</td> <td>380</td> <td>Utility filing fee</td> <td>\$760.00</td> </tr> <tr> <td>106</td> <td>310</td> <td>206</td> <td>155</td> <td>Design filing fee</td> <td>\$</td> </tr> <tr> <td>107</td> <td>480</td> <td>207</td> <td>240</td> <td>Plant filing fee</td> <td>\$</td> </tr> <tr> <td>108</td> <td>760</td> <td>208</td> <td>380</td> <td>Reissue filing fee</td> <td>\$</td> </tr> <tr> <td>114</td> <td>150</td> <td>214</td> <td>75</td> <td>Provisional filing fee</td> <td>\$</td> </tr> <tr> <td colspan="5" style="text-align: right;"><b>SUBTOTAL (1)</b></td> <td><b>(\$)</b> <u>760.00</u></td> </tr> </tbody> </table>		Large Entity		Small Entity		Fee Description	Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)	101	760	201	380	Utility filing fee	\$760.00	106	310	206	155	Design filing fee	\$	107	480	207	240	Plant filing fee	\$	108	760	208	380	Reissue filing fee	\$	114	150	214	75	Provisional filing fee	\$	<b>SUBTOTAL (1)</b>					<b>(\$)</b> <u>760.00</u>																																																																																																																																														
Large Entity		Small Entity		Fee Description	Fee Paid																																																																																																																																																																																								
Fee Code	Fee (\$)	Fee Code	Fee (\$)																																																																																																																																																																																										
101	760	201	380	Utility filing fee	\$760.00																																																																																																																																																																																								
106	310	206	155	Design filing fee	\$																																																																																																																																																																																								
107	480	207	240	Plant filing fee	\$																																																																																																																																																																																								
108	760	208	380	Reissue filing fee	\$																																																																																																																																																																																								
114	150	214	75	Provisional filing fee	\$																																																																																																																																																																																								
<b>SUBTOTAL (1)</b>					<b>(\$)</b> <u>760.00</u>																																																																																																																																																																																								
<b>2. EXTRA CLAIM FEES</b>																																																																																																																																																																																													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>Extra Claims</th> <th>Fee from below</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>Total claims</td> <td>4</td> <td>x 18</td> <td>= \$0.00</td> </tr> <tr> <td>Independent Claims</td> <td>2</td> <td>x 78</td> <td>= \$0.00</td> </tr> <tr> <td>Multiple Dependent</td> <td></td> <td></td> <td>=</td> </tr> </tbody> </table>			Extra Claims	Fee from below	Fee Paid	Total claims	4	x 18	= \$0.00	Independent Claims	2	x 78	= \$0.00	Multiple Dependent			=																																																																																																																																																																												
	Extra Claims	Fee from below	Fee Paid																																																																																																																																																																																										
Total claims	4	x 18	= \$0.00																																																																																																																																																																																										
Independent Claims	2	x 78	= \$0.00																																																																																																																																																																																										
Multiple Dependent			=																																																																																																																																																																																										
** or number previously paid, if greater; For Reissues, see below																																																																																																																																																																																													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr> <td>103</td> <td>22</td> <td>203</td> <td>11</td> <td>Claims in excess of 20</td> <td></td> </tr> <tr> <td>102</td> <td>82</td> <td>202</td> <td>41</td> <td>Independent claims in excess of 3</td> <td></td> </tr> <tr> <td>104</td> <td>270</td> <td>204</td> <td>135</td> <td>Multiple dependent claim, if not paid</td> <td></td> </tr> <tr> <td>109</td> <td>82</td> <td>209</td> <td>41</td> <td>** Reissue independent claims over original patent</td> <td></td> </tr> <tr> <td>110</td> <td>22</td> <td>210</td> <td>11</td> <td>** Reissue claims in excess of 20 and over original patent</td> <td></td> </tr> <tr> <td colspan="5" style="text-align: right;"><b>SUBTOTAL (2)</b></td> <td><b>(\$)</b> <u>.00</u></td> </tr> </tbody> </table>		Large Entity		Small Entity		Fee Description	Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)	103	22	203	11	Claims in excess of 20		102	82	202	41	Independent claims in excess of 3		104	270	204	135	Multiple dependent claim, if not paid		109	82	209	41	** Reissue independent claims over original patent		110	22	210	11	** Reissue claims in excess of 20 and over original patent		<b>SUBTOTAL (2)</b>					<b>(\$)</b> <u>.00</u>																																																																																																																																														
Large Entity		Small Entity		Fee Description	Fee Paid																																																																																																																																																																																								
Fee Code	Fee (\$)	Fee Code	Fee (\$)																																																																																																																																																																																										
103	22	203	11	Claims in excess of 20																																																																																																																																																																																									
102	82	202	41	Independent claims in excess of 3																																																																																																																																																																																									
104	270	204	135	Multiple dependent claim, if not paid																																																																																																																																																																																									
109	82	209	41	** Reissue independent claims over original patent																																																																																																																																																																																									
110	22	210	11	** Reissue claims in excess of 20 and over original patent																																																																																																																																																																																									
<b>SUBTOTAL (2)</b>					<b>(\$)</b> <u>.00</u>																																																																																																																																																																																								
<b>3. ADDITIONAL FEES</b>																																																																																																																																																																																													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr> <td>105</td> <td>130</td> <td>205</td> <td>65</td> <td>Surcharge-late filing fee or oath</td> <td>\$</td> </tr> <tr> <td>127</td> <td>50</td> <td>227</td> <td>25</td> <td>Surcharge-late provisional filing fee or cover sheet</td> <td>\$</td> </tr> <tr> <td>139</td> <td>130</td> <td>139</td> <td>130</td> <td>Non-English specification</td> <td>\$</td> </tr> <tr> <td>147</td> <td>2,520</td> <td>147</td> <td>2,520</td> <td>For filing a request for reexamination</td> <td>\$</td> </tr> <tr> <td>112</td> <td>920*</td> <td>112</td> <td>920*</td> <td>Requesting publication of SIR prior to Examiner action</td> <td>\$</td> </tr> <tr> <td>113</td> <td>1,840 *</td> <td>113</td> <td>1,840*</td> <td>Requesting publication of SIR after Examiner action</td> <td>\$</td> </tr> <tr> <td>115</td> <td>110</td> <td>215</td> <td>55</td> <td>Extension for reply within first month</td> <td>\$</td> </tr> <tr> <td>116</td> <td>400</td> <td>216</td> <td>200</td> <td>Extension for reply within second month</td> <td>\$</td> </tr> <tr> <td>117</td> <td>950</td> <td>217</td> <td>475</td> <td>Extension for reply within third month</td> <td>\$</td> </tr> <tr> <td>118</td> <td>1,510</td> <td>218</td> <td>755</td> <td>Extension for reply within fourth month</td> <td>\$</td> </tr> <tr> <td>128</td> <td>2,060</td> <td>228</td> <td>1,030</td> <td>Extension for reply within fifth month</td> <td>\$</td> </tr> <tr> <td>119</td> <td>310</td> <td>219</td> <td>155</td> <td>Notice of Appeal</td> <td>\$</td> </tr> <tr> <td>120</td> <td>310</td> <td>220</td> <td>155</td> <td>Filing a brief in support of an appeal</td> <td>\$</td> </tr> <tr> <td>121</td> <td>270</td> <td>221</td> <td>135</td> <td>Request for oral hearing</td> <td>\$</td> </tr> <tr> <td>138</td> <td>1,510</td> <td>138</td> <td>1,510</td> <td>Petition to institute a public use proceeding</td> <td>\$</td> </tr> <tr> <td>140</td> <td>110</td> <td>240</td> <td>55</td> <td>Petition to revive - unavoidable</td> <td>\$</td> </tr> <tr> <td>141</td> <td>1,320</td> <td>241</td> <td>660</td> <td>Petition to revive - unintentional</td> <td>\$</td> </tr> <tr> <td>142</td> <td>1,320</td> <td>242</td> <td>660</td> <td>Utility issue fee (or reissue)</td> <td>\$</td> </tr> <tr> <td>143</td> <td>450</td> <td>243</td> <td>225</td> <td>Design issue fee</td> <td>\$</td> </tr> <tr> <td>144</td> <td>670</td> <td>244</td> <td>335</td> <td>Plant issue fee</td> <td>\$</td> </tr> <tr> <td>122</td> <td>130</td> <td>122</td> <td>130</td> <td>Petitions to the Commissioner</td> <td>\$</td> </tr> <tr> <td>123</td> <td>50</td> <td>123</td> <td>50</td> <td>Petitions related to provisional applications</td> <td>\$</td> </tr> <tr> <td>126</td> <td>240</td> <td>126</td> <td>240</td> <td>Submission of Information Disclosure Statement</td> <td>\$</td> </tr> <tr> <td>581</td> <td>40</td> <td>581</td> <td>40</td> <td>Recording each patent assignment per property (Times number of properties)</td> <td>\$</td> </tr> <tr> <td>146</td> <td>790</td> <td>246</td> <td>395</td> <td>Filing a submission after final rejection (37 C.F.R. §1.129(a))</td> <td>\$</td> </tr> <tr> <td>149</td> <td>790</td> <td>249</td> <td>395</td> <td>For each additional invention to be examined (37 C.F.R. §1.129(b))</td> <td>\$</td> </tr> <tr> <td colspan="5">Other Fee (specify) _____</td> <td>\$</td> </tr> <tr> <td colspan="5">Other Fee (specify) _____</td> <td>\$</td> </tr> <tr> <td colspan="5"> <b>** Reduced by Basic Filing Fee Paid</b> </td> </tr> <tr> <td colspan="5" style="text-align: right;"><b>SUBTOTAL (3)</b></td> </tr> </tbody> </table>		Large Entity		Small Entity		Fee Description	Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)	105	130	205	65	Surcharge-late filing fee or oath	\$	127	50	227	25	Surcharge-late provisional filing fee or cover sheet	\$	139	130	139	130	Non-English specification	\$	147	2,520	147	2,520	For filing a request for reexamination	\$	112	920*	112	920*	Requesting publication of SIR prior to Examiner action	\$	113	1,840 *	113	1,840*	Requesting publication of SIR after Examiner action	\$	115	110	215	55	Extension for reply within first month	\$	116	400	216	200	Extension for reply within second month	\$	117	950	217	475	Extension for reply within third month	\$	118	1,510	218	755	Extension for reply within fourth month	\$	128	2,060	228	1,030	Extension for reply within fifth month	\$	119	310	219	155	Notice of Appeal	\$	120	310	220	155	Filing a brief in support of an appeal	\$	121	270	221	135	Request for oral hearing	\$	138	1,510	138	1,510	Petition to institute a public use proceeding	\$	140	110	240	55	Petition to revive - unavoidable	\$	141	1,320	241	660	Petition to revive - unintentional	\$	142	1,320	242	660	Utility issue fee (or reissue)	\$	143	450	243	225	Design issue fee	\$	144	670	244	335	Plant issue fee	\$	122	130	122	130	Petitions to the Commissioner	\$	123	50	123	50	Petitions related to provisional applications	\$	126	240	126	240	Submission of Information Disclosure Statement	\$	581	40	581	40	Recording each patent assignment per property (Times number of properties)	\$	146	790	246	395	Filing a submission after final rejection (37 C.F.R. §1.129(a))	\$	149	790	249	395	For each additional invention to be examined (37 C.F.R. §1.129(b))	\$	Other Fee (specify) _____					\$	Other Fee (specify) _____					\$	<b>** Reduced by Basic Filing Fee Paid</b>					<b>SUBTOTAL (3)</b>				
Large Entity		Small Entity		Fee Description	Fee Paid																																																																																																																																																																																								
Fee Code	Fee (\$)	Fee Code	Fee (\$)																																																																																																																																																																																										
105	130	205	65	Surcharge-late filing fee or oath	\$																																																																																																																																																																																								
127	50	227	25	Surcharge-late provisional filing fee or cover sheet	\$																																																																																																																																																																																								
139	130	139	130	Non-English specification	\$																																																																																																																																																																																								
147	2,520	147	2,520	For filing a request for reexamination	\$																																																																																																																																																																																								
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	\$																																																																																																																																																																																								
113	1,840 *	113	1,840*	Requesting publication of SIR after Examiner action	\$																																																																																																																																																																																								
115	110	215	55	Extension for reply within first month	\$																																																																																																																																																																																								
116	400	216	200	Extension for reply within second month	\$																																																																																																																																																																																								
117	950	217	475	Extension for reply within third month	\$																																																																																																																																																																																								
118	1,510	218	755	Extension for reply within fourth month	\$																																																																																																																																																																																								
128	2,060	228	1,030	Extension for reply within fifth month	\$																																																																																																																																																																																								
119	310	219	155	Notice of Appeal	\$																																																																																																																																																																																								
120	310	220	155	Filing a brief in support of an appeal	\$																																																																																																																																																																																								
121	270	221	135	Request for oral hearing	\$																																																																																																																																																																																								
138	1,510	138	1,510	Petition to institute a public use proceeding	\$																																																																																																																																																																																								
140	110	240	55	Petition to revive - unavoidable	\$																																																																																																																																																																																								
141	1,320	241	660	Petition to revive - unintentional	\$																																																																																																																																																																																								
142	1,320	242	660	Utility issue fee (or reissue)	\$																																																																																																																																																																																								
143	450	243	225	Design issue fee	\$																																																																																																																																																																																								
144	670	244	335	Plant issue fee	\$																																																																																																																																																																																								
122	130	122	130	Petitions to the Commissioner	\$																																																																																																																																																																																								
123	50	123	50	Petitions related to provisional applications	\$																																																																																																																																																																																								
126	240	126	240	Submission of Information Disclosure Statement	\$																																																																																																																																																																																								
581	40	581	40	Recording each patent assignment per property (Times number of properties)	\$																																																																																																																																																																																								
146	790	246	395	Filing a submission after final rejection (37 C.F.R. §1.129(a))	\$																																																																																																																																																																																								
149	790	249	395	For each additional invention to be examined (37 C.F.R. §1.129(b))	\$																																																																																																																																																																																								
Other Fee (specify) _____					\$																																																																																																																																																																																								
Other Fee (specify) _____					\$																																																																																																																																																																																								
<b>** Reduced by Basic Filing Fee Paid</b>																																																																																																																																																																																													
<b>SUBTOTAL (3)</b>																																																																																																																																																																																													

SUBMITTED BY		Complete (if applicable)	
Typed or Printed Name	Robert E. Bushnell Esq.	Reg. Number	27,774
Signature	<i>Robert E. Bushnell</i>	Date	1 September 1999
		Deposit Account User ID	